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## HIH-4602-L-CP



Actual product appearance may vary.

**HIH-4602 Series monolithic IC humidity sensor with integral precision RTD in TO-39 can, calibration and data printout**

### Features

Linear voltage output vs %RH  
 Laser-trimmed interchangeability  
 Chemically resistant  
 Enhanced accuracy, fast response  
 Stable, low drift performance  
 Built-in static protection

### Potential Applications

Refrigeration equipment  
 Drying  
 Meteorology  
 Battery-powered systems  
 OEM assemblies

### Description

The HIH-4602-L Relative Humidity (RH) sensors deliver instrumentation-quality RH sensing performance in a rugged, low cost, slotted TO-39 housing that provides a quick response while still maintaining the robustness of an enclosed component. The laser-trimmed, thermoset polymer capacitive sensing elements have on-chip integrated signal conditioning. The HIH-4602-L-CP includes calibration and data printout.

### Supporting Documentation

#### Product Documentation

Product Specifications	
Package Type	TO-39 can
Operating Temperature Range	-40 °C to 85 °C [-40 °F to 185 °F]
Operating Humidity Range	0% RH to 100% RH
Interchangeability	0% RH to 59% RH ±5%, 60% RH to 100% RH ±8%
Accuracy (BFSL)	±3.5%
Hysteresis	3% RH
Response Time	5 s 1/e in slow moving air
Repeatability	±0.5% RH
Settling Time	70 ms max.
Max. Supply Voltage	5.8 Vdc
Max. Supply Current	500 µA
Stability at 50% RH	±1.2% RH
Output Signal	Analog voltage
Covered Device	Yes
Moisture/Dust Filter	No
Combined Humidity and Temperature Sensor	No
Calibration and Data Printout	Yes
Series Name	HIH-4602
Availability	Global

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